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SANDY URBAN DISTRICT

ANNUAL REPORT

FOR

1950

OF THE

Medical Officer of Health

AND

Surveyor and Sanitary Inspector

ANNUAL REPORT FOR 1950

*To the Chairman and Members of
the Sandy Urban District Council*

Mr. Chairman and Councillors,

I have the honour to submit the Annual Report upon the health, vital statistics and sanitary conditions of the Sandy Urban District for 1950.

A review of the vital statistics reveals a slight increase in the death rate and in the infantile mortality rate as compared with the rates for the country as a whole. It is pleasing to record that there were no deaths from pregnancy and childbirth and also no deaths from any of the infectious diseases including tuberculosis.

The number of Infectious Disease notified was much less than in 1949, due almost entirely to a lower incidence of Measles and Whooping Cough. No case of Poliomyelitis was notified.

I have to express my thanks to the Clerk of the Council and to your Sanitary Inspector for their help and co-operation.

I am,

Your obedient servant,

C. A. HARVEY.

Medical Officer of Health.

GENERAL STATISTICS

Area (in acres)	...	...	...	...	4362
Registrar-General's Estimate of Population	...	...	...	...	3590
Number of inhabited houses at end of 1950	...	...	...	...	1209
Rateable Value	...	...	...	...	£18270
Sum represented by a penny rate	...	...	...	...	£69 10s. 5d.

VITAL STATISTICS FOR THE YEAR

Live Births

			Males	Females	Total
Legitimate	...	...	39	22	61
Illegitimate	...	...	1	1	2
			—	—	—
			40	23	63
Birth Rate per 1000 civilian population				...	18.4
Birth Rate for England and Wales	...			...	15.8

Still Births

			Males	Females	Total
Legitimate	...	...	1	0	1
Illegitimate	...	...	0	1	1
			—	—	—
			1	1	2
Still Birth Rate per 1000 civilian population	...			...	0.55
Still Birth Rate for England and Wales	...			...	0.37

Deaths

			Males	Females	Total
All causes	...	...	26	26	52
Death Rate per 1000 civilian population				...	12.3
Death Rate for England and Wales	...			...	11.6
Deaths from diseases and accidents of pregnancy and child birth :					
From Sepsis	...			...	0
From other causes	...			...	0
				—	—
				Total	...
					0

Deaths of Infants under One Year of Age

			Males	Females	Total
Legitimate	...	...	2	0	2
Illegitimate	...	...	0	0	0
			—	—	—
			2	0	2
Rate for all infants per 1000 live births				...	31.7
Rate for England and Wales	...			...	29.8

Deaths from :

Measles (all ages)	...	...	...	..	—
Whooping Cough	...	...	...	...	—
Diarrhoea (under 2 years of age)	...	...	...	...	—
Influenza	...	...	...	...	—
Cancer (all ages)	...	...	...	...	6

CAUSES OF DEATH

The following table shows causes of death as given in the Registrar-General's statistics.

Causes of Death				Males	Females
All Causes	...	...	...	26	26
1. Tuberculosis of Respiratory System	...	...	...	...	...
2. Other Forms of Tuberculosis	...	...	...	...	...
3. Syphilitic Diseases	...	...	...	...	...
4. Diphtheria	...	...	...	...	...
5. Whooping Congh	...	...	...	...	...
6. Meningococcal infections	...	...	...	...	...
7. Acute Poliomyelitis	...	...	...	...	...
8. Measles	...	...	...	...	...
9. Other infective and parasitic diseases	...	...	...	...	...
10. Malignant neoplasm, stomach	...	...	...	...	1
11. Malignant neoplasm, lung bronchus	...	...	...	2	...
12. Malignant neoplasm, breast	...	...	...	...	1
13. Malignant neoplasm, uterus	...	...	...	...	...
14. Other malignant and lymphatic neoplasms	...	...	...	1	1
15. Leukæmia, aleukæmia	...	...	...	...	...
16. Diabetes	...	...	...	...	...
17. Vascular lesions of nervous systems	...	...	...	5	6
18. Coronary disease, angina	...	...	...	1	2
19. Hypertension with heart disease	...	...	...	...	...
20. Other heart disease	...	...	...	6	9
21. Other circulatory disease	...	...	...	2	1
22. Influenza	...	...	...	...	...
23. Pneumonia	...	...	...	1	1
24. Bronchitis	...	...	...	1	1
25. Other diseases of respiratory system	...	...	...	...	...
26. Ulcer of stomach and duodenum	...	...	...	...	...
27. Gastritis, enteritis and diarrhoea	...	...	...	...	...
28. Nephritis and nephrosis	...	...	...	...	...
29. Hyperplasia of prostate	...	...	...	1	...
30. Pregnancy, childbirth, abortion	...	...	...	...	...
31. Congenital malformation,	...	...	...	1	...
32. Other defined and ill-defined diseases	...	...	...	3	3
33. Motor vehicle accidents	...	...	...	2	...
34. All other accidents	...	...	...	...	...
35. Suicide	...	...	...	...	...
36. Homicide and operations of war	...	...	...	...	...

STATISTICAL TABLE, 1941-1950

	Death Rate		Birth Rate		Infant Mortality Rate	
Year	Sandy U.D.	England & Wales	Sandy U.D.	England & Wales	Sandy U.D.	England & Wales
1941	15.3	12.9	14.8	14.2	33.3	59
1942	8.2	11.6	17.1	15.8	0.0	49
1943	12.9	12.1	19.2	16.5	73.5	49
1944	18.1	11.6	24.2	17.6	45.4	46
1945	12.8	11.4	18.5	16.1	30.7	46
1946	13.2	11.5	19.6	19.1	44.1	43
1947	15.1	12.0	18.6	20.5	46.0	41
1948	12.5	10.8	18.0	17.9	31.7	34
1949	11.0	11.8	14.8	16.7	18.5	32
1950	12.3	11.6	18.4	15.8	31.7	28.8

GENERAL PROVISION OF HEALTH SERVICES

Public Health Officers—

Medical Officer of Health—
C. A. Harvey, M.B., Ch.B., D.P.H.

Surveyor and Sanitary Inspector—
R. W. Settle, A.I.A.S., F.F.S. (Eng), M.R.S.I.

Laboratory Facilities

The services of the Public Health Laboratory Department of Pathology, Tennis Court Road, Cambridge, is available for the examination of any material submitted by the Health Department or by General Practitioners. This service is under the direction of the Medical Research Council through the Ministry of Health, and there is no charge to the Council. The Laboratory undertakes the examination of throat swabs, sputum, urine and fæces, and blood from cases of suspected infectious disease, and advice and assistance is always available.

Ambulance Facilities

The Bedfordshire County Council provides a complete service covering the whole of the County. The service is a twenty-four hour one and is free of charge, and is available for the removal of all cases requiring admission to hospital and also for the transport of patients who are unable to use other means of transport to and from Hospitals or Clinics, so that they can receive any necessary treatment. The request for the provision of an ambulance must be made by a General Practitioner or by an Authorised Person.

The service is also available for the transport of persons suffering from infectious disease to isolation hospital.

The following depots are situated in the eastern and northern districts of the County :—

Biggleswade ... Crab Lane ... Tel.—Biggleswade 2295
Bedford ... Newnham Avenue Bedford 67321

Midwifery and Domociliary Nursing Services

The County Council is responsible for this service under the provisions of the National Health Service Act, 1946. The service is free, and in the District there is one Nurse Midwife available.

Clinics and Treatment Centres

Child Welfare

Church Room, Sandy—Every alternate Thursday afternoon.

Venereal Diseases

Bedford General Hospital, South Wing. The days and times of attendance are :

Males	Monday to Friday	4—8 p.m.
Females	Monday and Tuesday	6 p.m.
	Wednesday	5—7 p.m.
	Thursday	5 p.m.
	Friday	3—5 p.m.

Tuberculosis

The Chest Clinic, Bedford General Hospital, North Wing, Kimbolton Road, Bedford. The days and times of attendance are :

Monday	2 p.m. to 7 p.m.	Refills (A.P. and P.P.)
Tuesday	9 a.m. to 1 p.m.	} Women and children—new and old patients
	2 p.m. to 5.30 p.m.	
Wednesday	9 a.m. to 1 p.m.	Contacts
	2 p.m. to 5.30 p.m.	Old patients—male and female
Thursday	9 a.m. to 5.30 p.m.	Males—old and new patients
Friday	9 a.m. to 1 p.m.	Refills (A.P. and P.P.)
	2 p.m. to 5.30 p.m.	Special cases

SANITARY CIRCUMSTANCES OF THE AREA

Water Supply

Water is supplied to the area by the Biggleswade Water Board and has proved very satisfactory in quality and quantity. Samples have been taken periodically during the year and the results have shown that the supply is of the highest standard of organic and bacterial purity. The following report by the Counties Public Health Laboratories of a sample sent for examination on 28th June, 1950, is typical.

Chemical Results in parts per Million

Appearance—Bright, with a very slight deposit of iron oxide	
Colour (Hazen)	Nil
Odour	Nil
Reaction pH.	7.3

Free Carbon Dioxide	16
Electric Conductivity at 20 degs. C.	550
Total Solids dried at 180 degs. C.	370
Chlorine in Chlorides	19
Alkalinity as Calcium Carbonate	230
Hardness. Total	300
Carbonate (Temporary)	230
Non-Carbonate (Permanent)	70
Nitrogen in Nitrates	0.00
Nitrogen in Nitrites	Less than 0.01
Ammoniacal Nitrogen*	0.020
Albuminoid Nitrogen*	0.000
Metals	Absent
Oxygen absorbed in 4 hours at 27 degs. C.	0.15
Residual Chlorine	Absent

*To convert to Ammonia multiply by 1.21

Bacteriological Results

Number of Colonies developing on Agar per cc. or ml. in

1 day at 37 degs. C.	0 per ml.
2 days at 37 degs. C.	0 per ml.
3 days at 20 degs. C.	2 per ml.

Presumptive Coliform Reaction Present in - absent from 100 ml.

Bact. coli Present in - absent from 100 ml.

Cl. welchii Reaction Present in - absent from 100 ml.

This sample is clear and bright in appearance, neutral in reaction and free from iron and other metals. The water is very hard in character though not excessively so and it contains no excess of salinity or mineral constituents in solution. It is of a high standard of organic and bacterial purity.

These results are consistent with a pure and wholesome water suitable for public supply purposes.

Rainfall

Month	Total	Greatest Rainfall in 24 hours		No. of days with	
		Inches	Date	.01 or over	.04 or over
January .....	.87	.37	1	5	4
February	2.63	.48	12	16	12
March .....	.40	.10	23	10	5
April	1.82	.57	16	17	11
May	2.96	.93	21	12	10
June	1.14	.30	13	6	6
July	4.93	1.41	3	18	14
August	2.25	.71	29	15	12
September	2.37	.50	23	21	14
October .....	.51	.21	2	6	4
November	3.40	.59	10	20	16
December	1.12	.30	10	12	9
	24.40			158	117

FACTORIES ACT, 1937

Part 1

1. Inspections

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers prosecuted
1. Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	12	36	...	...
2. Factories not included in el in which Section 7 is nforced by the Local Authority	32	62	...	...
3. Other Premises in which Section 7 is enforced by the Local Authority excluding out-workers' premises ... ..	...	...	...	...
TOTAL ...	44	98	...	...

2. Cases in which defects were found

Particulars	Number of cases in which defects were found				Number of cases in which prosecutions were instituted
	Found	Remedied	To H.M. Inspector	By H.M. Inspector	
Want of cleanliness
Overcrowding
Unreasonable temperature					
Inadequate ventilation
Ineffective drainage of floors
Sanitary onveniences—					
a—insufficient
b—Unsuitable or defective
c—Not separate for sexes
Other offences against the Act not including offences relating to Outwork
TOTAL

Part VIII

OUTWORK

Nature of Work	Section 110			Section 111		
	No. of out-workers in August list required by Sec. 110 1 (c)	No. of cases of default in sending lists to the Council	No. of prosecutions for failure to supply lists	No. of instances of work in unwholesome premises	Notices Served	Prosecutions
Wearing apparel } Making	2	...	...	...	...	...

INFECTIOUS DISEASES, OTHER THAN TUBERCULOSIS

(a) General Statistics

The following table shows the number of cases of infectious diseases notified during the year, together with the number of cases admitted to hospital and the deaths from these diseases.

Diseases (other than Tuberculosis) notified during the year 1950

Disease				Total Cases notified	Cases admitted to Hospital	Total deaths registered
Smallpox	...	...	...	...	...	...
Scarlet Fever	...	...	...	5	4	...
Diphtheria	...	...	...	...	...	...
Typhoid	...	...	...	...	...	...
Paratyphoid	...	...	...	...	...	...
Puerperal Pyrexia	...	...	...	...	...	...
Pneumonia	...	...	...	6	1	...
Cerebro-spinal Fever	...	...	...	...	...	...
Acute Infective Encephalitis	...	...	...	...	...	...
Poliomyelitis	...	...	...	...	...	...
Polioencephalitis	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...
Dysentery	...	...	...	...	...	...
Malaria	...	...	...	...	...	...
Ophthalmia Neonatorum	...	...	...	...	...	...
Measles	...	...	...	15	...	...
Whooping Cough	...	...	...	4	...	...
Jaundice	...	...	...	...	...	...
Food Poisoning	...	...	...	...	...	...

(b) Individual Disease

Scarlet Fever

Five cases were notified and four were admitted to hospital. The disease was mild and there were no deaths.

Measles

Fifteen cases were notified. No deaths occurred.

Whooping Cough

There were only four notified cases.

Pneumonia

Six cases were notified and one was admitted to hospital.

Cleansing of Verminous Persons

Scabies Order, 1941

Treatment for infected persons is available at the Borough Treatment Centre, Bedford, by arrangement with the Borough of Bedford. No persons received treatment during the year.

Artificial Immunisation against Diphtheria

The figures given below show the number of children under 15 years of age who have received protective treatment against Diphtheria, and have been given by the Eastern Divisional Medical Officer. The number of children who received primary immunisation in 1950 is less than in 1949 and it is necessary to urge all parents to give their children the protection which can be had free of cost from their own doctor or at a Welfare Clinic or at school.

Since the introduction of immunisation throughout the country, there has been a remarkable decline in the number of cases and deaths from Diphtheria, and, in many of the smaller areas, no cases have occurred for several years with the result that the seriousness of the disease tends to be forgotten. Should the percentage of children protected against the disease decline, there is a danger that diphtheria may once more take its toll of child life.

Immunisation in Relation to Child Population

Numbers of Children who had completed a full course of Immunisation at any time up to 31st December, 1950								
Age at 31.12.50, i.e. born in year	Under 1 1950	1 1949	2 1948	3 1947	4 1946	5 to 9 1941-45	10 to 14 1936-40	Total under 15
Number Immunised	5	35	89	75	52	120	63	439
Estimated mid-year population 1950	301					483		

II. Primary Immunisation during the Year 1950

Number of children during the year 1950 who completed a full course of Primary Immunisation in the Authority's Area (including Temporary residents.)

Age at 31.12.49, i.e. born in year	Under 1 1950	1 1949	2 1948	3 1947	4 1946	5 to 9 1941-1945	10 to 14 1936-1940	Total under 15
Number Immunised	5	25	6	2	4	14	10	66

III. Diphtheria Notifications and Deaths in relation to Immunisation

Age at date of notification	Number of cases notified	No. of cases included in preceding column in which child had completed full course of Immunisa'n	Age at date of Death	Number of Deaths	No. of cases included in preceding column in which child had completed full course of Immunisa'n
Under 1	Under 1	.....	.....
1	1	.....	.....
2	2	.....	.....
3	3	.....	.....
4	4	.....	.....
5 to 9	5 to 9	.....	.....
10 to 14	10 to 14	.....	.....
Totals	NIL	.....	Totals	NIL	.....

TUBERCULOSIS

The following table shows the number of new cases, and the number of deaths in their age groups.

Age Distribution of Cases and Deaths

Age Periods	New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M	F	M	F	M	F	M	F
0
1
5
10
15
20	1	...	...	...	...
25	1	...	...	...	...	...	...
35
45
55
65 and upwards
Totals	...	1	...	1	...	...	...	...

No action was necessary under the Public Health (Prevention of Tuberculosis) Regulations, 1925, or under section 172 of the Public Health Act, 1936.

The following table shows the number of new cases of tuberculosis notified and the number of deaths for the years 1942-1950.

	New Cases			Deaths		
	Pulmonary	NonPulmonary	Total	Pulmonary	NonPulmonary	Total
1950	1	1	2	...	...	...
1949	6	1	7	2	...	2
1948	1	2	3	...	...	...
1947	2	...	2	...	...	...
1946	3	...	3	1	1	2
1945	1	2	3	...	...	...
1944	2	1	3	2	2	4
1943	...	1	1	1	1	2
1942	3	...	3	...	...	...

REPORT OF THE SANITARY INSPECTOR AND SURVEYOR FOR THE YEAR 1950

MR. CHAIRMAN AND COUNCILLORS,

I have the honour to present my Annual Report on the Sanitary Conditions.

1. Drainage and Sewerage

The town is sewered along the main streets. The sewer runs from the Station Bridge, along High Street, Bedford Road, and a portion of London Road, with branches from St. Swithun's Way, Cambridge Road, Pleasant Place, Park Road, King's Road, The Avenue, Fuller's Cafe, Laburnum Road, Church Path, Queen's Road and South Road. A second sewer runs from Brickhill Road across the Roods into St. Neots Road opposite the Council Offices and connects to the first sewer at the junction of St. Neots Road and Bedford Road, and has a branch from Northcroft. A third commences at the Council Offices and runs north along St. Neots Road, West Road to South Road, and through the gardens of West Road to London Road, connecting to number one opposite All Saints Church, with branches from Longfield Road, East Road and South Road. A fourth commences in St. Neots Road approximately opposite East Road and runs north to London Road then south in London Road, where it connects with the first sewer at Hamlet End Farm, with a branch from Carter Street. From London Road opposite Hamlet End Farm the sewage is conveyed in a 15" main to the Sewage Disposal Works.

Swaden, Stratford Road, Station Road, Ivel Road, Mill Lane, Tempsford Road, Beeston and Seddington are not sewered.

2. Rivers and Streams

The Ivel Internal Drainage Board undertake the cleaning of all streams. The Council during the year trimmed over two miles of ditches.

3. Closet Accommodation

There are 1031 houses on the water carriage system, 162 pails and privies. Included in these figures are 174 houses connected to cesspools.

Conversions from Pails to Water Closets

1947	15	1948	15	1949	1	1950	NIL
------	----	------	----	------	---	------	-----

4. Public Cleansing

The collection of household refuse and the emptying of pails is carried out by the Council's workmen. The work is generally satisfactory. The emptying of cesspools is carried out by contract.

The following is a summary of the work carried out during the year :—

Total number of visits made	.....	.....	78,608
Ashbins emptied	.....	.....	65,360
Privies emptied	.....	.....	1
Cesspools emptied	.....	.....	23
Pail Closets emptied	.....	.....	13,224
Loads of refuse and night soil removed	.....	.....	648

Street Gullies are emptied regularly and street scavenging is done weekly.

The following table shows the quantities of salvage sold the year :—

	T	C	Q	£	s.	d.
Mixed iron and non-ferrous metals	16	14	2
Kitchen waste (pig food)	200	5	0
Total	£216	19	2

5. Sanitary Inspection of the Area

Inspections for housing defects	.....	.....	42
Number of inspections made for the purpose	.....	.....	73
Statutory Notices (Housing Acts)	.....	.....	3
Statutory Notices (Public Health Acts)	.....	.....	1
Number of dwelling-houses which were rendered fit at service of formal notices :			
(a) By owner	.....	.....	3
(b) By Local Authority in default of owners	.....	.....	1
Number of Informal Notices	.....	.....	24
Number of dwelling-houses rendered fit in consequence of informal action	.....	.....	24
Sanitary routine inspections	.....	.....	312
Butcher's shops and foodstuffs	.....	.....	32
Factories and Workshops including bakehouses	.....	.....	98
Dairies and cowsheds	.....	.....	15
Infectious diseases and disinfection	.....	.....	7

6. Shops

No action with regard to shops was found necessary.

7. **Smoke Abatement**

No action was necessary.

8. **Eradication of Bed Bugs**

No cases reported.

9. **Factories and Workshops**

There are 43 Factories and Workshops on the Register and 98 visits have been made.

Builders	.....	} 12	Electrician	.....	1
Joiners	.....		Millers	.....	3
Painters	.....		Motor Engineers	.....	6
Plumbers	.....		Printers	.....	1
Bakers	.....	6	Saddlers	.....	2
Basket Maker	.....	1	Stone Mason	.....	1
Blacksmith	.....	1	Tailor	.....	1
Boot Repairers	.....	4	Wireless Repairer	.....	1
Cycle Repairers	.....	2	Coach Builder	.....	1
Gas Works	.....	1			

There are two outworkers.

All the premises are generally satisfactory.

Inspection and Supervision of Food

(a) **Milk Supply**

5 Persons are registered under the Milk and Dairies Order.

3 Cowkeepers and wholesale Purveyors of Milk.

2 Retail Purveyors only.

(b) **Meat and Other Foods**

The slaughtering of animals for the sale of human consumption in this area was discontinued on the 15th January, 1940, under the Livestock (Restriction on Slaughtering) Order, 1940.

Shops, vehicles and places where food is prepared have been duly inspected and found to be in good order.

Voluntary surrender of the undermentioned foodstuffs found to be unfit for human consumption has been made, with the exception of imported and home-killed meat, the foodstuffs was either destroyed or salvaged for animal food.

Imported and Home-killed Meat	.....	.....	175 lbs.
Canned Fruit and Vegetables	.....	.....	187 lbs.
Bacon	.....	.....	14 lbs.
Sausages	.....	.....	49 lbs.
Meat Pies	.....	.....	5 lbs.

(c) Ice Cream

Five premises are registered for the sale of Ice Cream. It is purchased from reputable manufacturers. Ice cream is not manufactured in the Urban District.

Sewage Disposal Works

The sewage arrives at the Works 13' 3" below the surface of the ground level and is lifted by two Mirrlees Watson electric motors and pumps. The motors have given an excellent performance, and the attention required is negligible. The motors are automatic and are governed by electrodes, three in number, one for each motor for starting purposes and one for stopping.

Summary of Electricity Consumed

	1945	1946	1947	1948	1949	1950
January		829	975	862	797	755
February		792	927	760	684	852
March		997	938	785	750	774
April		892	1115	758	735	842
May		987	884	930	874	933
June		941	850	898	767	858
July		1050	854	762	730	1320
August	517	1068	649	909	694	1050
September	880	1116	631	824	608	880
October	971	1006	596	812	851	853
November	766	1109	627	782	789	1020
December	901	1054	702	784	761	824

COUNCIL HOUSING

The following is a summary of the various defects, etc., which have been dealt with in connection with the Council's Houses.

Summary of Repairs

Baths repaired	4
Copper (brick) supplied and fixed	9
Copper (brick) repaired	4
Portable coppers supplied and fixed	3
Portable coppers repaired	41
Copper lids supplied	1
Electric coppers supplied	0
Electric coppers repaired	31
Ceilings renewed	0
Ceilings repaired	22
Chimney stacks and flues repaired	30
Chimney pots provided and fixed	25
Chimney cowls (new)	15
W.C. Cisterns, new	13
W.C. Cisterns, adjusted	132

Decorations, internal or lime washing	.....	28
Doors, new	.....	4
Doors eased and repaired	}	144
Door furniture repaired or renewed		
Door hoods repaired	.....	1
Door steps repaired	.....	13
Dust bins	.....	19
Draining boards, new	.....	6
Draining boards repaired	.....	31
Electric ovens repaired	.....	6
Electrical defects	.....	20
Drains re-laid.....	.....	0
Drains repaired	.....	5
Drains unblocked	.....	24
Eaves, gutters, R.W.P., cleansed or repaired	.....	102
Floors re-laid	.....	4
Floors repaired	.....	15
Fences renewed or repaired	.....	6
Gully surrounds	.....	11
Gas cookers, new	.....	0
Gas cookers repaired	.....	0
Hot water systems	.....	101
Lavatory basins, new	.....	0
Lavatory basins repaired	.....	2
Man-hole covers renewed	.....	0
Man-hole covers repaired	.....	0
Painting, externally	.....	91
Plaster repaired	.....	23
Pail closets	.....	0
Pavements, new	.....	0
Pavements repaired	.....	4
Picture rails repaired	.....	1
Stoves and ranges, new	.....	9
Stoves and ranges, repaired	.....	42
Registers (tile), new	.....	0
Registers (tile), repaired	.....	11
Rain water tanks, new	.....	0
Rain water tanks repaired	.....	22
Refrigerators repaired	.....	1
Roofs, ridges, etc., repaired	.....	68
Roughcasting repaired	.....	1
Sinks, new	.....	0
Sinks repaired	.....	28
Sink and bath wastes, etc., unblocked	.....	8
Skirting boards repaired	.....	15
Taps (bib), new	.....	10
Taps (stop), new	.....	3
Taps washered, re-seated or packed	.....	126
Soil pipes and vent shafts repaired	.....	8
Stairs and stair rails repaired	.....	3

Soak-aways provided	.....	.....	.....	16
Windows (steel), new	.....	.....	.....	0
Windows (steel), repaired	.....	.....	.....	26
Windows (wood), new	.....	.....	.....	0
Windows (wood) repaired	.....	.....	.....	33
Water services repaired	.....	.....	.....	43
Water closet pedestals, new	.....	.....	.....	10
Water closet pedestals repaired	.....	.....	.....	6
Water closet seats, new	.....	.....	.....	9
Water closet seats repaired	.....	.....	.....	16
Water closet flush pipes	.....	.....	.....	10

Council Houses Painted

1946	...	14	1949	...	91
1947	...	69	1950	...	65
1948	...	48			

Number of Houses owned by the Council

1945	...	225	1948	...	301
1946	...	235 (10 prefab. bungalows)	1949	...	330
1947	...	243	1950	...	340

Number of Houses erected during the Year

Year	Local Authority	Private
1946	... 10 (prefab. bungalows)	... 2
1947	... 8	... 2
1948	... 58	... 3
1949	... 29	... 5
1950	.. 10	... 7

Plans submitted during the Year 1950

APPROVED

Dwelling Houses			
(a) Local Authority	.....	.....	23
(b) Private	.....	.....	7
(c) Additions and Extensions	.....	.....	15
Garages	.....	.....	3
Agricultural and Horticultural Buildings	.....	.....	6
Industrial and Business Premises	.....	.....	11

REFUSED

NIL

Civil Building Control

In August, 1945, Local Authorities were requested to undertake the licensing of building work within certain limits, under Defence Regulation 56A, also the granting of licenses for private builders to erect houses. The following table shows the Building Licences issued during the year under review.

Number of Licences granted for the erection of			
dwelling houses	.....	.....	1
	Value	.....	£2253 0s. 0d.
Number of Licences granted for the repair,			
additions and extensions of dwelling-houses			11
	Value	.....	£3302 0s. 0d.

Surveyor's Inspections

Housing Sites	.....	.....	.....	270
Individual Houses in course of construction	.....	.....	.....	970
New Streets and Sewers	.....	.....	.....	121
Alterations and Extensions to existing property	.....	.....	.....	72
Civil Building Licences (visits in connection with)	.....	.....	.....	41
Sewage Disposal Works	.....	.....	.....	280

Swimming Baths and Pools

There are no privately owned or public swimming baths or pools in this district.

New Streets and Sewers

During the year there were .16 miles of new roads, and 137 yards of sewer laid.

I would like to take this opportunity to express my thanks to the Chairman and Members of the Council for their consideration and support extended to me during the year, and to Mr. Usher, Clerk to the Council, and to Mr. Hanford, Finance Officer, and the staff for their kind assistance and loyal co-operation.

I am, Ladies and Gentlemen,

Your obedient servant,

REG. W. SETTLE, A.I.A.S., A.R.S.I.
Surveyor.

